

#10

PTO/SB/08 (2-92)

Sheet 1 of 6

Form PTO-1449

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number 219002028402

Application Number 09/972,582

Applicant

Sarvajit CHAKRAVARTY et al.

Filing Date October 5, 2001

Group Art Unit 1624

Mailing Date May 20, 2002

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## U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
H.C.	1.	07/1976	3,971,783	Barnish et al.	260	256.4	
	2.	03/1984	4,435,003	Fletcher	282	275	
	3.	10/1984	4,480,096	Fletcher	544	289	
	4.	11/06/84	4,480,883	Young	312	220	
	5.	12/1985	4,557,998	Hollister et al.	430	360	
	6.	09/1987	4,669,575	Diels et al.	182	92	
	7.	09/22/87	4,695,575	Janssens et al.	514	322	
	8.	07/1995	5,430,148	Webber et al.	544	238	
	9.	08/1995	5,439,895	Lee et al.	514	63	
	10.	12/1995	5,475,001	Barker	514	258	
	11.	01/1996	5,480,883	Spada et al.	514	249	
	12.	04/1997	5,616,582	Barker	514	239.5	
	13.	07/1997	5,650,410	Sohda et al.	514	233.8	
	14.	08/1997	5,658,902	Ahn et al.	544	293	
	15.	12/1997	5,693,652	Takase et al.	514	322	
	16.	02/1998	5,719,157	Sohda et al.	514	259	
	17.	02/1998	5,721,237	Myers et al.	514	259	
H.C.	18.	09/1998	5,801,180	Takase et al.	514	259	

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
H.C.	19.	01/1983	BE 893984	Belgium			
	20.	04/1986	DE 3536244	Germany			
	21.	07/1986	DE 3501696	Germany			
	22.	06/1988	DE 3641872	Germany			
	23.	09/1990	DE 3909595	Germany			
H.C.	24.	01/1991	DE 3921025	Germany			

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H.L.	25.	09/1993	DE 4208254	Germany			
	26.	10/1994	DE 4313412	Germany			
	27.	10/1994	DE 4313413	Germany			
	28.	03/1983	EP 0 073 997	EPO			
	29.	12/1985	EP 0 164 204	EPO			
	30.	02/1986	EP 0 172 427	EPO			
	31.	10/1987	EP 0 242 324	EPO			
	32.	06/1988	EP 0 271 040	EPO			
	33.	08/1988	EP 0 279 681	EPO			
	34.	08/1988	EP 0 280 224	EPO			
	35.	09/1988	EP 0 283 261	EPO			
	36.	12/1988	EP 0 296 560	EPO			
	37.	01/1989	EP 0 297 661	EPO			
	38.	08/1989	EP 0 326 328	EPO			
	39.	08/1989	EP 0 326 330	EPO			
	40.	10/1989	EP 0 335 319	EPO			
	41.	06/1990	EP 0 372 998	EPO			
	42.	09/1990	EP 0 385 662	EPO			
	43.	09/1990	EP 0 385 663	EPO			
	44.	01/1991	EP 0 407 955	EPO			
	45.	03/1991	EP 0 418 071	EPO			
	46.	10/1991	EP 0 450 504	EPO			
	47.	12/1991	EP 0 462 830	EPO			
	48.	04/1992	EP 0 481 802	EPO			
	49.	05/1992	EP 0 485 290	EPO			
	50.	01/1994	EP 0 579 263	EPO			
	51.	06/1996	EP 0 716 855	EPO			
H.L.	52.	11/1996	EP 0 742 207	EPO			

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et al.	53.	10/1993	EP 0567 107	Europe				
	54.	10/1993	EP 903349	Europe				
	55.	11/1988	GB 2205118	Great Britain				
	56.	05/1996	GB 2295387	Great Britain				
	57.	07/1987	JP 62-165654	Japan				
	58.	07/1987	JP 62-165657	Japan				
	59.	07/1987	JP 62-168144	Japan				
	60.	08/1987	JP 62-166337	Japan				
	61.	08/1987	JP 62-168157	Japan				
	62.	12/1987	JP 62-293243	Japan				
	63.	02/1988	JP 63-041854	Japan				
	64.	12/1988	JP 63-307451	Japan				
	65.	04/1989	JP 01106055	Japan				
	66.	09/1989	JP 01231049	Japan				
	67.	10/1991	JP 03240066	Japan				
	68.	10/1991	JP 03240067	Japan				
	69.	03/1983	WO 73997	WIPO				
	70.	03/1983	WO 83/00939	WIPO				
	71.	09/1983	WO 83/02920	WIPO				
	72.	12/1985	164204	WIPO				
	73.	02/1986	172427	WIPO				
	74.	10/1987	242324	WIPO				
	75.	06/1988	271040	WIPO				
	76.	08/1988	279681	WIPO				
	77.	08/1988	280224	WIPO				
	78.	09/1988	283261	WIPO				
	79.	12/1988	296560	WIPO				
et al.	80.	01/1989	297661	WIPO				

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Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation	
							YES	NO
h.c.	81.	08/1989	326328	WIPO				
	82.	08/1989	326330	WIPO				
	83.	10/1989	335319	WIPO				
	84.	06/1990	372998	WIPO				
	85.	09/1990	385662	WIPO				
	86.	09/1990	385663	WIPO				
	87.	01/1991	407955	WIPO				
	88.	03/1991	418071	WIPO				
	89.	07/1991	WO 91/09853	WIPO				
	90.	10/1991	450504	WIPO				
	91.	12/1991	462830	WIPO				
	92.	04/1992	481802	WIPO				
	93.	05/1992	485290	WIPO				
	94.	05/1992	WO 92/107844	WIPO				
	95.	11/1992	WO 92/20642	WIPO				
	96.	12/1992	WO 92/22552	WIPO				
	97.	11/1993	WO 93/23404	WIPO				
	98.	01/1994	579263	Europe				
	99.	06/1996	716855	Europe				
	100.	11/1996	742207	Europe				
	101.	12/1996	WO 96/40143	WIPO				
	102.	01/1997	WO 97/03069	WIPO				
	103.	07/1997	WO 97/26252	WIPO				
	104.	02/1998	WO 98/06715	WIPO				
	105.	02/1998	WO 98/07425	WIPO				
	106.	06/1998	WO 98/27098	WIPO				
	107.	02/1999	WO 99/09016	WIPO				
h.c.	108.	07/1999	WO 99/32460	WIPO				

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*h.c. fin*

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H-L	109.	12/1996	WO 96/40143	WIPO			
	110.	07/1997	WO 97/26252	WIPO			
	111.	02/1998	WO 98/06715	WIPO			
	112.	02/1998	WO 98/07425	WIPO			
	113.	06/1998	WO 98/27098	WIPO			
	114.	11/1998	WO 98/52940	WIPO			
H-L	115.	04/1999	WO 99/18942	WIPO			

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## OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
H-L	116.	Birnbaumer, L., et al., "Receptor-to-Effector Signaling through G Proteins: Roles for $\beta$ Dimers as well as $\alpha$ Subunits," CELL, (1992) 71:1069-1072
H-L	117.	Brunswick et al., J. Chem. Soc. (1970) 19:2641-2647
	118.	CAS Printout for Alvi et al.
	119.	CAS Printout for Anantanarayan et al.
	120.	CAS Printout for Laszlo et al.
	121.	Crawford, S.E., et al., "Thrombospondin-1 Is a Major Activator of TGF- $\beta$ 1 In Vivo," CELL (1998) 93:1159-70
	122.	Dean et al., J. Chem. Soc. (1968) 2:142-144
	123.	de Laszlo et al. "Pyrroles and Other Heterocycles as Inhibitors of p38 Kinase," Bioorg Med Chem Lett (1998) 8(19):2689-2694 (Abstract)
	124.	Eyers, P.A. et al. "Conversion of SB 203580-insensitive MAP kinase family members to drug-sensitive forms by a single amino-acid substitution", Chem and Biol (1995) 5:321-328
	125.	Jiang, Y. et al., "Characterization of the structure and function of a new mitogen-activated protein kinase (p38 $\beta$ )" J Biol Chem (1996) 271:17920-17926
	126.	Kumar, S. et al. "Novel homologues of CSBP/p38 MAP kinase: activation, substrate specificity and sensitivity to inhibition by pyridinyl imidazoles", Biochem Biophys Res Comm (1997) 235:533-538
H-L	127.	Lawrence, D.A., "Transforming Growth Factor- $\beta$ : a General Review," EUR. CYTOKINE NETW., (1996) 7(3):363-74

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H.L.	128.	Lee et al., <i>J. Med. Chem.</i> (1995) 38(18):3547-3557
	129.	Li, Z. et al. "The primary structure of p38 $\gamma$ : a new member of p38 group of MAP kinases", <i>Biochem Biophys Res Comm</i> (1996) 228:334-340
	130.	Lin et al., <i>Biochem. Biophys. Res. Comm.</i> (1996) 228:334-340
	131.	López-Casillas, F., et al., "Structure and Expression of the Membrane Proteoglycan Betaglycan, a Component of the TGF- $\beta$ Receptor System," <i>CELL</i> , (1991) 67:785-95
	132.	Lyons, R.M., et al., "Transforming Growth Factors and the Regulation of Cell Proliferation," <i>EUR. J. BIOCHEM.</i> , (1990) 187:467-73
	133.	Manhas et al., <i>J. Heterocy. Chem.</i> (1979) 16(4):711-715
	134.	Massagué, J., "Receptors for the TGF- $\beta$ Family," <i>CELL</i> , (1992) 69:1067-70
	135.	Massagué, J., "TGF- $\beta$ Signal Transduction," <i>ANN. REV. BIOCHEM.</i> , (1998) 67:753-91
	136.	Massagué, J., "The Transforming Growth Factor- $\beta$ Family," <i>ANN. REV. CELL BIOL.</i> , (1990) 6:597-641
	137.	Munger, J.S., et al., "Latent Transforming Growth Factor- $\beta$ : Structural Features and Mechanisms of Activation," <i>KIDNEY INTL.</i> , (1997) 51:1376-82
	138.	Munger, J.S., et al., "The Integrin $\alpha$ v $\beta$ 6 Binds and Activates Latent TGF $\beta$ 1: A Mechanism for Regulating Pulmonary Inflammation and Fibrosis," <i>CELL</i> , (1999) 96:319-28
	139.	Roberts and Sporn, <i>Handbook of Experimental Pharmacology</i> (1990) 95:419-458
	140.	Stein, B. et al. "p38-2, a novel mitogen-activated protein kinase with distinct properties", <i>J Biol Chem</i> (1997) 272:19509-19517
	141.	Wahl, S.M., et al., "Inflammatory and Immunomodulatory Roles of TGF- $\beta$ ," <i>IMMUNOL. TODAY</i> , (1989) 10(8):258-61
	142.	Wang, X., et al., "Expression Cloning and Characterization of the TGF- $\beta$ Type III Receptor," <i>CELL</i> , (1991) 67:797-805
	143.	Wang, X.S., et al., "Molecular cloning and characterization of a novel p38 mitogen-activated protein kinase", <i>J Biol Chem</i> (1997) 272:23668-23674
	144.	Wang, Y. et al. "Cardiac muscle cell hypertrophy and apoptosis induced by distinct members of the p38 mitogen-activated protein kinase family", <i>J Biol Chem</i> (1998) 273:2161-2168.
H.L.	145.	Wrana, J. L., et al., "TGF $\beta$ Signals through a Heteromeric Protein Kinase Receptor Complex," <i>CELL</i> , (1992) 71:1003-14

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